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REMARKS/DISCUSSION OF ISSUES

Claims 1-4, 7, 9, 15-18, 21, 23, 29-32, 35 and 37. In the Final Office Action, Examiner Cho rejected pending claims 1-4, 7, 9, 15-18, 21, 23, 29-32, 35 and 37 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent Application Publication No. 2001/0018340 A1 to *Tagi* in view of U.S. Patent No. 6,647,269 B2 to *Hendrey* et al. The Applicant has amended independent claims 1, 15 and 29 to include the allowable subject matter of cancelled claims 8, 22, and 36, respectively. An allowance of amended independent claims 1, 15 and 29 is therefore respectfully requested.

Claims 2-4, 7 and 9 depend from amended independent claim 1. Withdrawal of the rejection of dependent claims 2-4, 7 and 9 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* is therefore respectfully requested.

Claims 16-18, 21, and 23 depend from amended independent claim 15. Withdrawal of the rejection of dependent claims 16-18, 21, and 23 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* is therefore respectfully requested.

Claims 30-32, 35 and 37 depend from amended independent claim 29. Withdrawal of the rejection of dependent claims 30-32, 35 and 37 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* is therefore respectfully requested.

Claims 11-13, 25-27 and 39-41. In the Final Office Action, Examiner Cho rejected pending claims 11-13, 25-27 and 39-41 under 35 U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey*. The Applicant has cancelled claims 11-13, 25-27, and 39-41 herein. Withdrawal of the rejection of claims 11-13, 25-27 and 39-41 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* is therefore respectfully requested.

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Claims 5, 6, 14, 19, 20, 28, 33, 34 and 42. In the Final Office Action, Examiner Cho rejected pending claims 5, 6, 14, 19, 20, 28, 33, 34 and 42 under 35 U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* and in further view of U.S. Patent Application Publication No. 2003/0050837 to *Kim*.

Claims 5 and 6 depend from amended independent claim 1. Therefore, dependent claims 5 and 6 include all of the elements and limitations of amended independent claim 1. It is therefore respectfully submitted by the Applicant that dependent claims 5 and 6 are allowable over *Tagi* in view of *Hendrey* and in further view of *Kim* for at least the same reason as set forth herein with respect to amended independent claim 1 being allowable over *Tagi* in view of *Hendrey*. Withdrawal of the rejection of dependent claims 5 and 6 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* and in further view of *Kim* is therefore respectfully requested.

Claims 19 and 20 depend from amended independent claim 15. Therefore, dependent claims 19 and 20 include all of the elements and limitations of amended independent claim 15. It is therefore respectfully submitted by the Applicant that dependent claims 19 and 20 are allowable over *Tagi* in view of *Hendrey* and in further view of *Kim* for at least the same reason as set forth herein with respect to amended independent claim 15 being allowable over *Tagi* in view of *Hendrey*. Withdrawal of the rejection of dependent claims 19 and 20 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* and in further view of *Kim* is therefore respectfully requested.

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Claims 33 and 34 depend from amended independent claim 29. Therefore, dependent claims 33 and 34 include all of the elements and limitations of amended independent claim 29. It is therefore respectfully submitted by the Applicant that dependent claims 33 and 34 are allowable over *Tagi* in view of *Hendrey* and in further view of *Kim* for at least the same reason as set forth herein with respect to amended independent claim 29 being allowable over *Tagi* in view of *Hendrey*. Withdrawal of the rejection of dependent claims 33 and 34 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* and in further view of *Kim* is therefore respectfully requested.

The Applicant has cancelled claim 14, 28 and 42 herein. Withdrawal of the rejection of claims 14, 28 and 42 under U.S.C. §103(a) as being unpatentable over *Tagi* in view of *Hendrey* and in further view of *Kim* is therefore respectfully requested.

Claims 8, 10, 22, 24, 36 and 38. In the Final Office Action, Examiner Cho objected to claims 8, 10, 22, 24, 36 and 38 as being dependent upon a rejected base claim, but allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. The Applicant has cancelled claims 8, 22 and 36 herein, and amended independent claims 1, 15 and 29 to include the allowable subject matter of cancelled claims 8, 22 and 26, respectively. Claims 10, 24 and 38 depend from amended independent claims 1, 15, and 29, respectively. Withdrawal of objection of claims 8, 10, 22, 24, 36 and 38 therefore respectfully requested.

Claims 43-66. New independent claim 43 includes the allowable subject matter of claims 1 and 10. New claims 44-50 depend from independent claim 43. New independent claim 51 includes the allowable subject matter of claims 15 and 24. New claims 52-58 depend from independent claim 50. New independent claim 59 includes the allowable subject matter of claims 29 and 38. New claims 60-66 depend from independent claim 59. An allowance of new claims 43-66 is therefore respectfully requested.

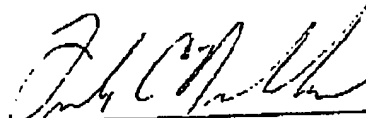
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SUMMARY

The Applicant respectfully submits that claims 1-7, 9, 10, 15-21, 23, 24, 29-35, 37, 38 and 43-66 as listed herein fully satisfy the requirements of 35 U.S.C. §§102, 103 and 112. In view of the foregoing, favorable consideration and early passage to issue of the present application is respectfully requested.

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